

AWMFT2023 & APSTP2023 Awards

* Graduate Student Excellent Presentation Award (Newly Open)

- Purpose: To check the level of research and presentation skill of graduate students who started nano/micro forming and plastic deformation research, and to inspire the morale of graduate students who made excellent presentations in this workshop/symposium
- Numbers: 5 graduate students having the nationality of China, Japan, Korea, and Taiwan
- Decision: unanimous vote of international steering committee members
- Awarding of certificates and prizes

During the last coffee break @PM 3:10, 1st floor



* Young Scientist Award (Our traditional culture)

- Purpose: To congratulate those who have shown excellent research results and presentation skills among doctors or professors under the age of 40 who are conducting research in nano/micro forming and plastic deformation fields for their hard work and wish them growth as high-level researchers in the future
- Numbers: 5 young Doctors/Professors having the nationality of China, Japan, Korea, and Taiwan
- Decision: unanimous vote of international steering committee members
- Awarding of certificates and prizes



The awards ceremony will be held during Banquet on 17 May, 2023.

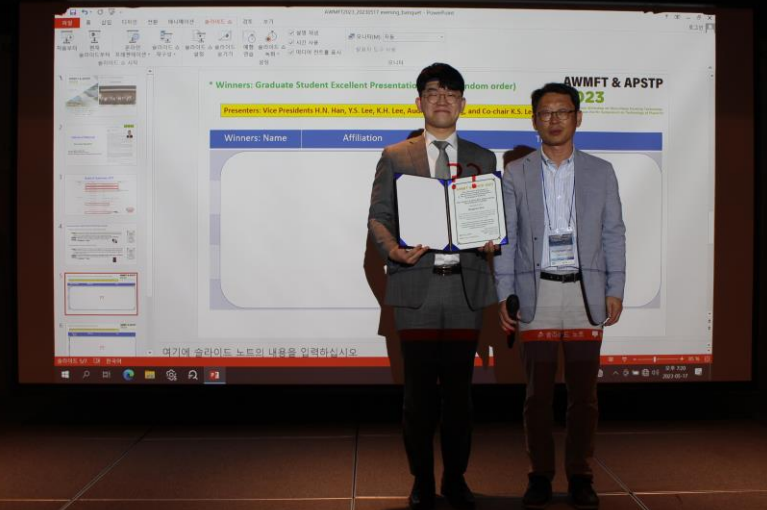


* **Winners: Graduate Student Excellent Presentation Award (random order)**

Presenters: Vice Presidents H.N. Han, Y.S. Lee, K.H. Lee, Auditor S.P. Hong, and Co-chair K.S. Lee

Winners: Name	Affiliation	Title
Zhiqin Yang	Harbin Institute of Technology	Tensile deformation behavior of an equimolar high-entropy alloy subjected to electrically assisted uniaxial tension
Ryouma Okada	University of Toyama	Effect of nanometric piercing tools on process affected area in non-oriented electrical steel sheet
Hyogeon Kim	Korea Institute of Materials Science	Effect of microstructure and residual stress on the mechanical properties of Inconel 718 alloy through ultrasonic nanocrystalline surface modification process
Zidong Yin	Tokyo Metropolitan University	Evolution of temperature change by impact effect on the surface layer of various materials during ultrasonic micro-forging
Yuxi Chen	Harbin Institute of Technology	Mechanical behavior and microstructural evolution of aluminum alloy under ultrasonic vibration-assisted micro-tension

* Winners: Graduate Student Excellent Presentation Award



* **Winners: Young Scientist Awards (random order)**

Presenters: Prof. D. Shan, Prof. M. Yang, Prof. H.S. Kim, Prof. Y.M. Hwang, and President H.Y. Kim

Winners: Name	Affiliation	Title
Jaimyun Jung	Korea Institute of Materials Science	Super-resolving digital microstructure through deep learning for microstructure characterization and micromechanical simulations
Yong Hou	Seoul National University	A new anisotropic-asymmetric yield criterion covering wider stress states in sheet metal forming
Chaogang Ding	Harbin Institute of Technology	Preparation and properties of Cu/Nb nanolayered composites
Hyunsung Choi	Korea Institute of Materials Science	AI application to the EV motor component manufacturing
Shang-Nan Tsai	National Sun Yat-sen University	Mechanical properties of sandwich panels with corrugated carbon fiber cores

* Winners: Young Scientist Awards

